

Module Details	
Module Title:	Principles of Security Technologies
Module Code:	COS6025-B
Academic Year:	2019-20
Credit Rating:	20
School:	Department of Computer Science
Subject Area:	Computer Science
FHEQ Level:	FHEQ Level 6
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	Hours
Independent Study	176
Lectures	24
Directed Study	176

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 2 (Feb - May)

Module Aims
To provide students with an insight into the technologies which have risen to prominence in detecting, monitoring and predicting the risk of security breaches

Outline Syllabus
How organisations can defend themselves against breaches; technologies used to both defend and attack; motivation for attacks within security; The opportunity to participate in visiting speaker seminars to provide an industrial perspective on current and up to date security issues in the workplace.

Learning Outcomes	
1	understand key ethical, political and social issues of contemporary security and governance; critically engage with relevant key research;
2	show an in-depth understanding of security practices of monitoring, intervention and decision making; apply and analyse issues of security from a number of different disciplinary perspectives
3	have further developed skills of research, problem-solving and communication; be a self-directed, independent learner who shows initiative and personal responsibility.

Learning, Teaching and Assessment Strategy
Formal input provided by lectures, supported by practical examples from videos, and readings. Case studies used, where appropriate. Assessment by individual coursework takes account of issues relevant today and the theoretical material discussed in class. Supplementary assessment will repair deficiencies.

Mode of Assessment				
Type	Method	Description	Length	Weighting
Summative	Coursework	Individual Report	-3000 words	100%

Reading List
To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html .

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.